

**STATEMENT  
OF WORK  
(SOW)**

**FOR THE EXECUTION OF THE  
REPUBLIC OF CHINA MARINE  
CORPS  
FOREIGN MILITARY SALE  
OF THE  
ASSAULT AMPHIBIOUS VEHICLE  
(AAV)  
RELIABILITY, AVAILABILITY,  
MAINTAINABILITY  
(RAM)  
(AAV7A1 RAM)  
FAMILY OF VEHICLES  
(FOV)**

Approved By: \_\_\_\_\_  
Mr. G. Bryan Prosser, PMAAVS

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SOW  
FOR THE EXECUTION OF THE  
REPUBLIC OF CHINA MARINE CORPS AAV7A1 RAM

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SOW  
FOR THE EXECUTION OF THE  
REPUBLIC OF CHINA MARINE CORPS AAV7A1 RAM  
Effective: TBD

## **1. SCOPE**

### **1.1. Background**

The REPUBLIC OF CHINA MARINE CORPS (ROCMC) FMS Project shall begin at the end of the US 680 vehicles AAV RAM/RS disassembly effort. The major difference between the US AAV RAM/RS Project and the ROCMC FMS Project is that the US is reusing many parts in the finished vehicle, whereas the ROCMC FMS Project will get new parts instead of reused parts in the finished vehicles. Only the hulls (to include major closures) are reused. See Appendix A. Phase I of this two Phase effort is to disassemble and modify the hulls of 54 AAV7A1 vehicles to the ROCMC RAM configuration. Phase II of the ROCMC FMS Project is to assemble the 54 AAV7A1 Vehicles. The plan is to assemble, using new parts, 48 "P" variants, 4 "C" variants and 2 "R" variants to the ROCMC RAM configuration.

### **1.2. Phase I: Disassembly and Hull Modification**

Phase I of the ROCMC FMS Project will be performed per the schedule in Appendix B. Phase I consists of the receipt, acceptance, and preparation for hull modification of a total of 48 AAVP7A1, 4 AAVC7A1 and 2 AAVR7A1 vehicles to the ROCMC RAM configuration. After completion of hull modification by the contractor, United Defense, Limited Partnership (UDLP), the hulls will be primed and base coated by Marine Corps Logistics Command (MCLC) and stored until start of Phase II. Program Manager Assault Amphibious Vehicle Systems (PMAAVS) shall provide disposition and storage guidance for all reusable components and assemblies not required for Phase II of this SOW. All hulls will be disassembled in accordance with the ROCMC Standard 3.4 (ROCS 3.4) and Technical Manuals (TMs) listed in paragraph 2. At the completion of Phase I the hulls will be returned to MCLC per the schedule. This SOW establishes and sets forth tasks and identifies the work efforts that shall be performed by MCLC for the ROCMC FMS Project Phase I.

### **1.3. Phase II: Assembly**

Phase II of the ROCMC FMS Project will be performed per the schedule in Appendix B. Phase II involves the assembly, testing and delivery of a total of 54 AAV7A1 vehicles. The plan is to assemble 48 "P" variants, 4 "C" variants and 2 "R" variants to the ROCMC RAM configuration. All hulls will be assembled in accordance with the ROCS 3.4 and TMs listed in paragraph 2. This SOW and the appropriate government publications listed in paragraph 2, establishes and sets forth tasks and identifies work efforts that shall be performed by MCLC for the assembly, testing and delivery of the ROCMC RAM vehicles under Phase II.

## **2. APPLICABLE DOCUMENTS**

The following documents form a part of this SOW to the extent specified. Unless otherwise designated, the issue dates of these documents are those listed in the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, which is in effect on the date of execution. The application of specifications, standards, and related documents shall be limited to the documents specifically cited herein as requirements, and to the specified portions referenced herein. In the event of conflict between the documents referenced and the contents of this SOW, requests for conflict resolution shall be brought to the attention of PMAAVS. Conflict resolution between reference documents and this SOW shall be completed by PMAAVS prior to initiation of Phase I. PMAAVS shall resolve any conflicts found after this date, within three (3) working days after conflict identification with a goal of resolution within 24 hours. MCLC will use best judgment to work around the conflict until the formal resolution is received from PMAAVS.

### **2.1. Military Standards**

MIL-STD-2073-1D	Standard Practice for Military Packaging
MIL-STD-129	Standard Practice for Military Marking

### **2.2. Technical Manuals**

TM 4750 15/1	Painting and Registration Marking for Marine Corps Combat and Tactical Equipment
TM 4750 15/2	Camouflage Paint Patterns
TM 09674A-25&P/4	Maintenance Instructions and Repair Parts List, Organizational, Intermediate and Depot Assault Amphibious Vehicle, 7A1 Family of Vehicles and RAM/RS
TM 07267B-25&P/2	Maintenance Instructions and Repair Parts List, Organizational, Intermediate and Depot Assault Amphibious Vehicle, AAVR7A1 and RAM/RS
TM 07268B-25&P/2	Maintenance Instructions and Repair Parts List, Organizational, Intermediate and Depot Assault Amphibious Vehicle, AAVC7A1 and RAM/RS
TM 10004A-25&P/2	Maintenance Instruction and Repair Parts List, Organizational, Intermediate, and Depot Uppgunned Weapons Station (UGWS)
TM 8F152B-25&P/A	Maintenance Instructions and Repair Parts List, Organizational, Intermediate and Depot Power Plant Assembly, Assault Amphibious Vehicle, 7A1 Family of Vehicles and RAM/RS

ROCMC Standard 3.4 of April 2003

### **2.3. Government Publications**

MIL-HDBK-61	Configuration Management Guidance – “Guidance Only”
SD-14	List of Toxic Chemicals, Hazardous Substances, and Ozone-Depleting Chemicals

## 2.4. Industry Standards

Drawing 5428747, CAGE 53711	Preparations for shipment for AAVP7A1
Drawing 5435309, CAGE 53711	Preparations for shipment for AAVC7A1
Drawing 5433292, CAGE 53711	Preparations for shipment for AAVR7A1
JESD625-A	Requirements for Handling Electrostatic Sensitive Discharge (ESG) Devices
ANSI/ISO/ASQC	Q9001-2000 Quality Management Systems - Requirements
ANSI/EIA-649	National Consensus Standards for Configuration Management – “Guidance Only”

Copies of these publications may be obtained from: American National Standards Institute (ANSI), 11 West 42<sup>nd</sup> Street, New York, NY 10036, Web Address at <http://WWW.ansi.org>.

## 2.5. Copies of Publications

Copies of Military Standards and Specifications are available from the US Department of Defense Single Stock Point, Document Automation and Production Service, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Commercial (215) 697-2179 or DSN 442-2179 or <http://www.dodssp.daps.mil>.

Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Command, Attn: Publication Branch (Code 586), Albany, Georgia, 31704-5000 commercial (229) 639-5818, or DSN 567-5818.

Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Supply Chain Management Center, Attn: (Code 583-1), 814 Radford Blvd STE 20302 Albany, Georgia, 31704-0320, Commercial (229) 639-6476 or DSN 567-6476.

## 3. REQUIREMENTS

### 3.1. Project Management

MCLC shall provide a single point of contact for Project Management of the ROCMC FMS Project effort. The single point of contact shall be responsible for ensuring compliance with the requirements of this SOW at MCLC. The MCLC ROCMC Project Officer shall ensure that the provisions of paragraph 3.4 of this SOW have been met, and that any identified conflicts have been resolved IAW paragraph 2 of this SOW prior to implementation of ROCMC RAM vehicle assembly. MCLC shall provide Defense Contract Management Agency (DCMA) personnel access to all facilities, data, processes and materials relating to the ROCMC FMS AAV program and provide offices, equipment and support as necessary for on site support of the AAV program.

## **3.2. Reports and Documentation**

### **3.2.1. Progress Reports**

#### **3.2.1.1 Production Progress Report**

MCLC shall provide a progress report monthly to PMAAVS starting at the commencement of Phase I. The report shall address any events significant and impacting to the program, and shall include the following sub-reports as integral elements of the monthly Production Progress Report. Progress reports will include the number of vehicles inducted, working and complete ready to ship. The funding reports will be provided quarterly and will provide a breakdown of funds obligated and funds expended (billed) against each line of the accounting provided. The production progress report will be provided IAW: DI-MISC-80508A.

#### **3.2.1.2. GFE Consumption Report**

GFE Consumption Report will be provided IAW: DI-MGMT-80438A.

#### **3.2.1.3. Production or Delivery Problems Report**

Production or Delivery Problems Report will be provided IAW: DI-MGMT-81178

#### **3.2.1.4. Test/Inspection Report**

Test/Inspection Report will be provided IAW: DI-NDTI-80809B

#### **3.2.1.5. Contract Funds Status Report**

Contract Funds Status Report (CFSR) will be provided IAW: DI-MGMT-81468

For those report elements deemed not applicable for the specific reporting period, a negative response is required.

### **3.2.2. Workmanship Guarantee Procedures**

MCLC shall develop Guarantee Procedures for MCLC workmanship. This document shall become part of the ROCMC RAM FMS Project and will be utilized by ROCMC and Field Service Representative to alleviate any possible failures and/or discrepancies due to MCLC workmanship. MCLC shall develop and provide Guarantee Procedures for PMAAVS approval three (3) months prior to start of work (Phase II). The MCLC Guarantee shall last for one (1) year commencing from when the vehicles are received by the ROCMC freight forwarder.

### **3.2.3. Quality Assurance**

In the case of possible failures and/or discrepancies due to MCLC workmanship, a team of qualified MCLC maintenance personnel shall be sent to ROC to alleviate the discrepancy. One trip will occur during a period of one-year commencing from the receipt of the first vehicle. The trip will be scheduled and coordinated between PMAAVS, UDLP and MCLC. A maximum of funds not to exceed \$20,000 will be available to correct any workmanship deficiencies after delivery of all vehicles. In

addition, the MCLC maintenance personnel shall investigate and document (DI-MGMT-80508A) any non-conformance and evaluate corrective action for repair and/or replacement of deficient components and workmanship.

### **3.3. Meetings, Formal Reviews, and Conferences**

The Maintenance Directorate shall, as appropriate, plan, host, attend, coordinate, support, and conduct all meetings, formal reviews, and conferences (here to after called "reviews"). The reviews shall be conducted employing Video Teleconferencing (VTC) or on-site at PMAAVS, and/or MCLC facilities as directed by PMAAVS. MCLC shall prepare agendas (DI-ADMIN-81249) and conference presentation materials and provide minutes and reports DI-ADMIN-81250), within ten (10) working days, following each review. PMAAVS reserves the right to cancel any review or to require any review to be scheduled at critical points during the period of performance. At least one (1) week notice will be provided for reviews that have not been previously scheduled. Action item documentation, assignment of responsibility for completion, and due dates shall be determined prior to adjournment of all reviews. A summary of all action items, responsible parties, and estimated completion date shall be included with the minutes.

#### **3.3.1. In-Process Review**

The first In-Process Review (IPR) will be held approximately 30 days after start of Phase II, at a date and location directed by PMAAVS. Subsequent IPRs will be held at a minimum, every quarter either employing Video Teleconferencing (VTC) or on-site at PMAAVS, and/or MCLC facilities as directed by PMAAVS. PMAAVS reserves the right to cancel any review or to require any review to be scheduled during the period of performance. As a minimum, MCLC shall:

- a. Discuss the production progress, to include any changes made in the production process,
- b. Brief program status to include problem identification and resolutions,
- c. Present status of deliverables,
- d. Prepare presentation materials providing an overview of all agenda items, and
- e. Identification of any funding issues or shortfalls with detailed explanation.

#### **3.3.2. IPR Roles and Responsibilities**

The PMAAVS will chair and will be the approving authority for any required IPR. The ROCMC FMS Project Officer from PMAAVS shall host the scheduled IPR.

### **3.4. Government Furnished Material (GFM)**

All bolted, pressed or glued components along with all common hardware will be provided as Government Furnished Material (GFM). GFM will be provided in kits designated to support the depot assembly process, and will be in stock to support the assembly of a vehicle per the schedule in Appendix B. UDLP will provide kits tailored to MCLC production requirements.

### **3.5. Disassembly**

#### **3.5.1. Receipt**

PMAAVS will ensure timely delivery of 54 source vehicles for the ROCMC FMS Project

in accordance with the schedule, Appendix B. The list of vehicle serial numbers is provided in Appendix C.

### **3.5.2. Suitability for Induction**

Prior to induction PM AAVS, UDLP and DCMA shall participate in the pre-induction inspection analysis and verification of configuration of the hulls and shall determine the suitability for induction into the ROCMC FMS Project.

### **3.5.3. Disassembly Guidance**

Disassembly is defined as the removal of all parts and components from the hull, full disassembly of all hatches, ramp, grill or plenum; hull preparation for induction into the UDLP AAV hull modification process, per ROCS 3.4. The hull-threaded holes will be plugged per the hull configuration checklist. MCLC shall provide hulls prepared for modification to UDLP. The hulls will have all bolted on items removed with the exception of mooring cleats. The vehicle identification data plate shall remain on the vehicle until returned from UDLP. All press fit bushings shall remain in place to protect bores during grit blasting and will be removed by UDLP. Screws or plugs will be installed in all tapped holes. Disassembly shall be conducted in a manner to minimize collateral damage to the hull, custom fitted components and other material removed. During disassembly the vehicle shall be evaluated for out of scope conditions. Discovery of an out of scope condition will be reported to PMAAVS and the final disposition decision will be made by PMAAVS.

### **3.5.4. Custom Fitted Assemblies.**

MCLC shall fully disassemble, per ROCS 3.4, and retain all items listed in Appendix A. MCLC shall ensure custom fitted components are identified by vehicle prior to pickup by UDLP.

### **3.5.5. Unique Component Requirements**

Unique component requirements exist for those items that will be shipped to outside contractors or recovered by the Government. The following areas of guidance are provided:

#### **3.5.5.1. Residual Material**

Residual material is defined as items, parts, or material that is removed or disassembled from inducted and processed vehicles that is not required or authorized for reuse in the ROCMC FMS Project. All residual material shall be inventoried and then offered for other use. Parts not claimed by the USMC will be offered up to FMS (resale) and DRMO. PMAAVS will provide disposition instructions for removed parts before the disassembly process begins. PMAAVS will retain authority for final disposition of residual material.

#### **3.5.5.2. Preparation for Acceptance by UDLP**

MCLC shall remove all coating and corrosion over areas of the hull and custom fitted components in preparation for contractor shipment to the UDLP hull modification facility. Blasting is not required in the area of the four [4] torsion tube flanges in the road

arm areas for those temporary road arms used for moving the hull in the Maintenance Center. The temporary road arm assemblies will be removed from the hull prior to shipment to UDLP.

### **3.5.5.3. Final Disassembly Inspection and Shipment to UDLP**

MCLC in conjunction with DCMA shall conduct a final configuration and visual inspection on all GFM hulls and custom fitted components provided to UDLP prior to leaving the Maintenance Center. Any hulls and custom fitted components deemed by MCLC in conjunction with DCMA not suitable for production shall be communicated by DCMA within 24 hours to PMAAVS for determination. DCMA shall prepare documentation and/or evidence of unsuitability.

### **3.5.5.4. Loading to Shipping Conveyance**

MCLC shall be responsible for required preparation of the hull and closures to meet environmental and Department of Transportation local, state and federal requirements for over the road transportation.

### **3.5.5.5. Shipment**

MCLC shall designate an appropriate location at MCLC Albany, GA to accommodate loading and unloading of the hulls and custom fitted components to/from UDLP conveyance. MCLC is not expected to accommodate unusual shipment requirements. MCLC shall coordinate with any other appropriate Department of Defense agencies that may be required to accommodate shipment of hulls. Accountability of GFM to UDLP will be in accordance with standard MCLC procedures. UDLP will be responsible for obtaining all transportation permits associated with movement of AAV hulls and custom fitted components between MCLC Maintenance Center and their Modification Facility.

### **3.5.5.6. MCLC Materiel Handling Equipment (MHE) Consideration**

MHE support requirements for the movement of materiel in support of this SOW shall be provided by MCLC.

### **3.5.5.7. Painting**

The vehicle will be painted in accordance with TM 4750-15/1 and 15/2. MCLC shall apply a primer and base coat to each hull upon receipt from the contractor.

## **3.6. Assembly**

### **3.6.1. Vehicle Assembly**

Vehicle Assembly is defined as the assembly, inspection and testing, and preparation for delivery of the ROCMC AAV RAM vehicles, in accordance with the current configuration as described in the ROCS 3.4 and Appendix D. In complying with the specified requirements of this SOW, MCLC shall perform as a minimum, but shall not be limited to, the following tasks:

### **3.6.1.1. Mating of Hull with Custom Fitted Components**

Ensure custom fitted components as listed in Appendix A (Hatches, Ramps, and Plenum) are associated with the appropriate hull for reassembly.

### **3.6.1.2. Consumable Materials**

MCLC shall provide all bulk and consumable material (petroleum, oils, lubricants, grease, paint, etc.) for consumption during the ROCMC FMS Project.

### **3.6.1.3. Final Configuration Inspection**

MCLC shall conduct a final configuration inspection on all ROCMC RAM vehicles, jointly with the PMAAVS site representative and/or the DCMA and/or the ROCMC representative prior to the vehicles leaving the Marine Corps Logistics Command, Albany. To facilitate the inspection process, MCLC shall develop a Final Configuration Inspection Checklist/Procedure for PMAAVS concurrence (DI-MGMT-80508A) to ensure ROCMC RAM vehicles are delivered to the final customer in accordance with the approved final ROCMC RAM configuration.

### **3.6.2. Final Painting**

The vehicle will be painted in accordance with TM 4750-15/1 and 15/2. MCLC shall paint the hull upon completion of assembly.

### **3.6.3. Preparation for Shipment**

MCLC shall prepare the assembled AAV for shipment and storage in accordance with applicable drawing numbers 5428747, 5435309, 5433292, and the Program Definition Conference. All ROCMC RAM vehicles shall have a sign affixed that reads "NOT FOR WEATHER DECK STORAGE". Hazardous items shall be prepared in accordance with MIL-STD-2073-1D, Table J.1a, use Special Preservation Code HM. Markings shall be in accordance with MIL-STD-129. The preservation level for all FMS ROCMC deliverables shall be in accordance with the transportation plan.

### **3.6.4. Vehicle Delivery**

MCLC shall complete production in accordance with the schedule in Appendix B and store until shipment to the freight forwarder. As prescribed in DFARS 252.246-7000, at the time of each delivery under this SOW, MCLC shall prepare and furnish to DCMA a material inspection and receiving report in the manner and to the extent required by Appendix F, Material Inspection and Receiving Report, of the Defense FAR Supplement. DCMA shall make final inspection and acceptance of completed vehicles.

## **3.7. Parts Disposition for Non-Conforming GFM**

MCLC shall notify PMAAVS of all non-conforming Government Furnished Material as soon as the discrepancy is identified. Upon discovery of a GFM non-conformance, the request for GFM disposition should be processed per the procedure described in Appendix E. PMAAVS is the approval authority for all GFM disposition requests associated with the ROCMC FMS Project. MCSC letter 8400 ser. 01-0082 of 24 July 2001 delegates the PMAAVS GFM approval authority to the DCMA representatives at MCLC, Albany.

At the direction and approval of PMAAVS/DCMA, disposition of non-conforming GFM shall be conducted. Disposition of non-conforming GFM shall be on a case-by-case basis and the repair effort to include workarounds shall be considered over and above the Firm Fixed Price effort. Prior to start of repair, MCLC shall submit detailed cost and schedule data for PMAAVS concurrence.

## **4. GENERAL REQUIREMENTS SECTION**

### **4.1. Electromagnetic Environmental Effects (E3) Procedures**

MCLC shall establish, implement and document an Electrostatic Discharge (ESD) Control Program following the guidelines provided in JESD-625-A. ESD protective measures shall be used during manufacturing, handling, inspecting, testing, marking, packaging, storing, and transporting the ESD sensitive components.

### **4.2. Quality System Provisions**

MCLC shall maintain a documented Quality Management System. The system shall apply to all equipment provided and shall ensure that quality is maintained throughout all areas including, processing, assembly, inspection, test, maintenance, packaging, delivery, and shipping. The MCLC system shall ensure personnel responsible for, inspection, control of processes, operations and equipment that require special skills are certified prior to performing these functions. Specific responsibilities and functions shall be assigned. A list of required skills and skill levels shall be maintained for all personnel performing under this SOW. The Defense Contract Management Agency (DCMA) has specific roles in regards to the RAM Program. The DCMA role is defined by separate Memorandums of Agreement between PMAAVS and DCMA.

### **4.3. Environment, Safety and Health (ESH) Evaluation**

The following ESH criteria shall be documented:

#### **4.3.1. Safety and Health Evaluation**

MCLC shall comply with the applicable federal, state and local statutes and regulations on personal safety and health hazards relative to the efforts contained in this SOW. The health hazards include conditions that create significant risks of injury, illness, disability, or reduce job performance of personnel who will perform in accordance with this SOW.

#### **4.3.2. Environmental Compliance**

MCLC shall comply with the applicable federal, state, and local statutes and regulations relating to protection of the environment; and public safety and health. To the maximum extent possible, environmentally preferable, recycled or recovered materials shall be used in the operation and manufacturing of the ROCMC FMS Project.

#### **4.3.3. Toxic Chemicals, Hazardous Substances, and Ozone Depleting Chemicals**

The use of toxic chemicals, hazardous materials (EPA-17), or Ozone Depleting Substances (Class I ODS) in the AAV7A1 RAM effort shall be avoided. The Chemicals

and Hazardous Materials to be avoided are listed in US Department of Defense Publication "SD-14: Listing of Toxic Chemicals, Hazardous Substances, and Ozone-Depleting Chemicals". MCLC shall comply with federal, state and local statutes and regulations relating to procedures for disposition of hazardous waste generated from the ROCMC FMS Project.

#### **4.4. Configuration Control**

##### **4.4.1. Engineering Change Proposals**

Application of Engineering Change Proposals (ECPs) is not identified as part of the scope of this Statement of Work and will not be applied unless specifically and separately authorized by PMAAVS.

##### **4.4.2. Requests for Deviation**

MCLC shall apply configuration control procedures to established configuration items. MCLC shall not implement configuration changes to an item's documented performance or design characteristics without, prior written authorization. If it is necessary to temporarily depart from the authorized configuration, MCLC shall prepare and submit a Request for Deviation, (RFD). MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing this configuration control document. MCLC will use the PMAAVS Contract Management Module to process RFDs.

#### **5.0. SYSTEM TEST AND EVALUATION**

Test and Evaluation for Phase II of the ROCMC FMS Project will be in accordance with ROCS 3.4 and TM 09674A-25&P/4.

Appendix A: List of Hull, Closures and Related Parts

DESCRIPTION	P7 VEHICLE	QTY	C7 VEHICLE	QTY	R7 VEHICLE	QTY
HULLS	7001143 - P	1	7001143 - C	1	7001143 - R	1
DRIVERS HATCH	5429152	1	5429152	1	5429152	1
COMMANDERS HATCH	5429153	1	5429153	1	5429153	1
AUXILIARY HATCH	N/A		5429153	1	5429153	1
CARGO HATCH DOOR	5428593-1	2	5428593-1	2	5428593-1 & -2	1 EA
CARGO HATCH CENTER PLATE	2600382	1	2600382	1	2600382	1
RAMP	5419014	1	5419014	1	5424197	1
RAMP DOOR	2586828	1	2586828	1	2586828	1
GRILLE, INTAKE	2600548	1	2600548	1	2617251	1
INTAKE PLENUM (welded on)	2600883	1	2600883	1	2600883	1
GRILLE, EXHAUST	2600416	1	2600416	1	2600416	1
EXHAUST PLENUM (welded on)	2600720	1	2600720	1	2600720	1
CENTER PLATE, GRILLE	2600405	1	2600405	1	2617241	1



Appendix C: Vehicle Serial Numbers

	Serial	Type	Serial	Type	Serial	Type
1	522441	P7	25 522964	P7	49 522331	C7
2	522480	P7	26 522972	P7	50 522333	C7
3	522482	P7	27 522998	P7	51 522344	C7
4	522495	P7	28 523002	P7	52 522358	C7
5	522506	P7	29 523046	P7	53	R7
6	522540	P7	30 523076	P7	54	R7
7	522542	P7	31 523082	P7		
8	522587	P7	32 523087	P7		
9	522637	P7	33 523092	P7		
10	522708	P7	34 523113	P7		
11	522783	P7	35 523122	P7		
12	522793	P7	36 523126	P7		
13	522802	P7	37 523135	P7		
14	522816	P7	38 523159	P7		
15	522854	P7	39 523165	P7		
16	522886	P7	40 523203	P7		
17	522889	P7	41 523204	P7		
18	522899	P7	42 523222	P7		
19	522900	P7	43 523240	P7		
20	522901	P7	44 523251	P7		
21	522916	P7	45 523254	P7		
22	522939	P7	46 523262	P7		
23	522944	P7	47 523276	P7		
24	522963	P7	48 523360	P7		

**Appendix D: ROCMC AAV7A1 RAM Configuration**

The ROCMC AAV7A1 RAM vehicles, kits and collateral equipment will be the complete standard approved USMC configuration per the approved engineering drawing package and change proposals as of 1 April 2003 except as noted below. The configuration for the USMC Personnel, Command and Recovery vehicle variants is defined by engineering drawings 7010050, 7010048 and 7010049.

1. Driver's night sight AN/VVS-2 (V) 1A will be replaced with DVE per ECP 5468 to be released about May 2003.
2. Delete EPLRS installation 6227563 and radio set AN/VSQ-2C (V) 1 and antenna AS-3449/VSQ-1 from collateral drawing 7001023. A ballistic cover will be added to the EPLRS antenna mount hole.
3. The DACT mounting provisions defined by ECP 5459 and 5477 will be included but the handheld computer, antenna and associated components will not be supplied at this time.
4. PLGR mounting provisions and navigation sets AN/PSN-11 (V) 1 will be supplied for all vehicles (Assumes that unit can be exported to ROCMC)
5. EAAK mounting provisions will be applied to all Personnel and Command vehicles but only 42 Personnel configured EAAK assemblies in container per 7001375 will be supplied. The armor kit will not be camouflage painted and shipped to ROCMC in the containers.
6. All vehicles will be woodland camouflage painted with the standard pattern by the depot.
7. Launchers from ROCMC will replace the weapon station M257 smoke grenade launchers. The launchers mounting brackets and activation cable will be modified, as required, to accommodate the ROCMC supplied launchers.
8. All vehicle and Command communications will be standard USMC configuration except the SINGARS AN/VRC -89A and 92A radios and associated antennas will be replaced with ROCMC supplied CS/VRC-191 radios and antennas. The radio mounts and interconnecting cables will be modified, as required, to accommodate the ROCMC supplied components. Compatibility of the VIC-2 intercom system and AN/VRC-83, CS/VRC-191 radios and new procurement of the ROCMC supplied components. Compatibility of the VIC-2 intercom system and AN/VRC-83, CS/VRC-191 radios and new procurement of the secure voice and MSQ-115 systems are assumed. Source for encryption for MSQ 115, AN/VRC-83 will be to US standard (exportable)
9. Winter kit mounting provisions will be included in all vehicles but no installation kits will be supplied.
10. Litter kit mounting provisions will be included in all Personnel vehicles.
11. Vehicles will include stowage provisions for the crew M16A2 rifles and M240 machine gun but only M240 machine guns will be supplied for the Command and Recovery vehicles, no M16A2 rifles are included.
12. All decals, stencils, data and instruction plates will be in English.

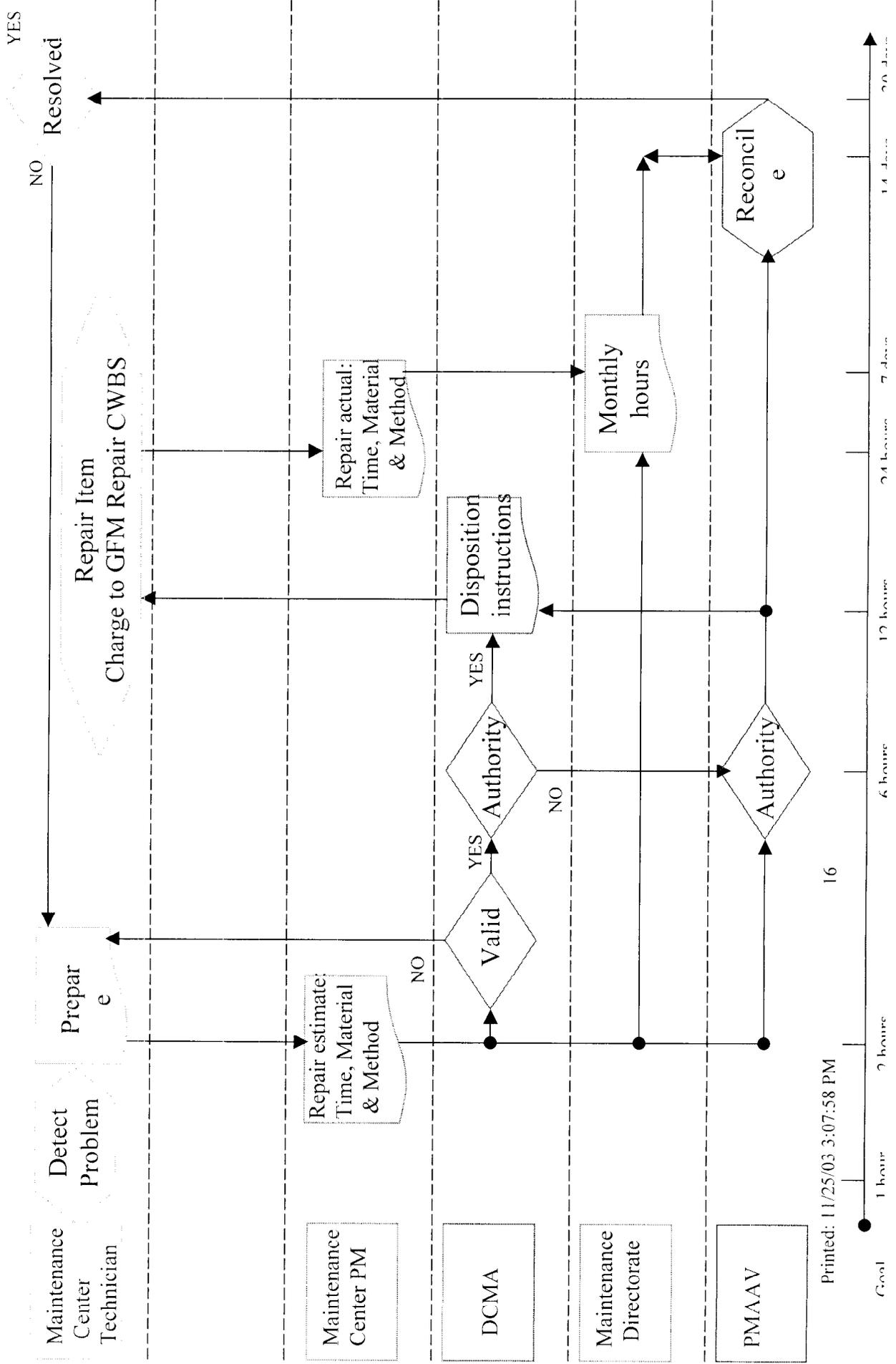
All changes to the standard USMC configuration, including the ones above, must be authorized by USMC approved Deviations submitted electronically (E-mail) on RFD/RFW Form 1694.

**Appendix E: GFM/GFE DISPOSITION**

Responsibilities Matrix

MC Process	DCMA Process	MD Process	PMAAV Process
1. Detect Problem. Notify MC project manager's office, MC Quality Assurance, and DCMA of GFM problem (verbal acceptable). 2. Estimate Time, Cost and Method to repair. 3. Provide written problem notification and GFM repair authorization request with estimate of method and time to repair to DCMA and MD. PQDR form may be used.	1. Receive notification of problem (verbal). 2. Receive written problem notification from MC with estimate method and time to repair. 3. Verify problem. Determine problem within delegated authority. If within authority determine disposition. Consult with UDLP PMAAV Reps and MCPM, if necessary. If not within authority delegated then forward request to PMAAV for resolution. 4. Provide written disposition instructions with authorization to charge to GFM repair line to MC with copy to MD and PMAAV.	1. Receive written problem notification from MC with estimate method and time to repair. 2. Report hours monthly to PMAAV. 3. Reconcile hours quarterly with PMAAV. 4. Retain copies of problem notifications and disposition instructions for future reference	1. Receive written problem notification (DCMA could not resolve) from DCMA with estimate method and time to repair. 2. Provide written disposition instructions to DCMA, when necessary. 3. Review MD monthly report of actual hours expended. 4. Reconcile hours quarterly with MD. 5. Retain copies of problem notifications and disposition instructions for future reference
4. Receive written disposition instructions. 5. Process material according to instructions on a not to exceed basis. Charge approved repairs to the GFM Repair CWBS line as authorized. 6. Provide written report of actual time to repair to DCMA and MD. 7. Problem resolved.	5. Receive report of actual repair time and forward to MD. 6. Retain copies of problem notifications and disposition instructions for future reference	2. Report hours monthly to PMAAV. 3. Reconcile hours quarterly with PMAAV. 4. Retain copies of problem notifications and disposition instructions for future reference	3. Review MD monthly report of actual hours expended. 4. Reconcile hours quarterly with MD. 5. Retain copies of problem notifications and disposition instructions for future reference
8. Retain copies of problem notifications and disposition instructions for future reference.	6. Retain copies of problem notifications and disposition instructions for future reference	4. Retain copies of problem notifications and disposition instructions for future reference	5. Retain copies of problem notifications and disposition instructions for future reference

GFM Repair Authorization Process





**Appendix F: Deliverables**

A001	DI-MISC-80508A	Production Progress Report
A002	DI-MGMT-80438A	GFE Consumption Report
A003	DI-MGMT-81178	Production or Delivery Problems Report
A004	DI-NDTI-80809B	Test/Inspection Report
A005	DI-MISC-80468	Contract Funds Status Report
A006	DI-MISC-80508	Quality Assurance/Failure Report
A007	DI-ADMN-81249	Conference Agenda
A008	DI-ADMN-81250	Conference Minutes
A009	DI-CMAN-80639B	Engineering Change Proposal (ECP)
A010	DI-CMAN-80640	Request for Deviation

<b>CONTRACT DATA REQUIREMENTS LIST</b> (1 Data Item)					Form Approved OMB No 0704-0188							
The public reporting burden for this collection of Information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. listed in Block E.												
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER <u> X </u>								
D. SYSTEM/ITEM ROCMC FMS AAV			E. CONTRACT/PR NO.		F. CONTRACTOR MARINE CORPS LOGISTICS COMMAND							
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM TECHNICAL REPORT - STUDY/SERVICES			3. SUBTITLE PRODUCTION PROGRESS REPORT							
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80508A			5. CONTRACT REFERENCE ROCMC SOW Para 3.2.1		6. REQUIRING OFFICE MARCORSYSCOM PM AAVS							
7. DD20REQ	9. DIST STATEMENT REQUIRED		10. FREQUENCY MONTHLY	12. DATE OF FIRST SUBMISSION 20031115		14. DISTRIBUTION						
8. APP CODE			11. AS OF DATE SEE BLK 16	13. DATE OF SUBSEQUENT SUBMISSION 20031215		a. Addressee	b. COPIES					
							Dist	Fral Reg	Repr			
16. REMARKS  Contractor format acceptable. The report shall contain contract schedule by month, cumulative schedule by month, deliveries by month, and cumulative deliveries by month. Required data will be submitted by MCLC to the PMAAVS Contract Management Module (BLK 14 a & b).						MAR CORSYS COM						
						PM AAV	1	1	1			
						DCMA	1	1	1			
						15. TOTAL	2	2	2			
G. PREPARED BY		H. DATE		I. APPROVED BY			J. DATE					







<b>CONTRACT DATA REQUIREMENTS LIST</b> (1 Data Item)					Form Approved OMB No 0704-0188				
The public reporting burden for this collection of Information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. listed in Block E.									
A. CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP _____ TM _____ OTHER <u>X</u> _____					
D. SYSTEM/ITEM ROCMC FMS AAV			E. CONTRACT/PR NO.		F. CONTRACTOR MARINE CORPS LOGISTICS COMMAND				
1. DATA ITEM NO.  A005		2. TITLE OF DATA ITEM  CONTRACT FUNDS STATUS REPORT			3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT 80468			5. CONTRACT REFERENCE PHASE II SOW Para 3.2.1			6. REQUIRING OFFICE MARCORSYSCOM PM AAVS			
7. DD20REQ	9. DIST STATEMENT REQUIRED		10. FREQUENCY QUARTERLY	12. DATE OF FIRST SUBMISSION 20040115		14. DISTRIBUTION			
8. APPCODE			11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION  20040415		a. Addressee	b. COPIES		
							Dist	Frel Reg	Repr
16. REMARKS  Contractor format acceptable. The DID will be tailored as follows: Block 11a of the CF SR will reflect total program line items, all other data will be by fiscal year. Block 11b of the CF SR will equal funding by date. Block 12 will reflect the difference between the executed funds in MARCORLOGCOM accounting system and funding authorized to date. Block 12b will reflect the executed funds in MARCORLOGCOM accounting system. Block 14 of the CF SR, estimated Termination Costs, will be provided only upon request. Required data will be submitted by MCLC to the PMAAVS Contract Management Module (BLK 14 a & b).					MAR CORSYS COM				
					PM AAV	0	1	1	
					DCMA	1	1	1	
G. PREPARED BY		H. DATE		I. APPROVED BY			J. DATE		











**Appendix G: Parts Removed with Disposition Instructions**

To be determined